
LD 62: 1.5 Mb/s Remote Peripheral Equipment Local End Diagnostic

This program is loaded manually to test the local equipment associated with a particular carrier going to a remote site.

Note: Program 62 is not supported on Option 11 systems.

When to use LD 62

It is assumed that either:

- a manually requested or automatic test using LD 33 has indicated a fault which may be due to a failure of either local or remote equipment by one of the following messages: RPD202, RPD230, RPD232, RPD240, RPD250.
- a carrier has been disabled automatically and RPD211, RPD214 or RPD215 was printed.

This program is used to determine whether the fault is at the local Meridian 1/Meridian SL-1 site. It is necessary to disable the carrier to be tested before performing the local loop around test.

If a local end fault is detected and cleared, a complete test using LD 33 should then be done.

The program operates on one loop, which must be defined via the DFLP command. If a command is issued when no loop number has been specified, the response LOOP? will be output.

Basic commands

DFLP loop	Define RPE loop
DISC c l	Disable carrier c on loop l
DISI c	Disable carrier c once it is idle
END	Terminate active command
ENLC c	Enable carrier c
LFLT	List speech timeslots that failed LOCL test
LOCL c	Perform loop around test on carrier c
LOCL c ALL	Loop around test for all speech timeslots on carrier c
LPBK c	Close loop back relay on carrier c
SCAR	Switch primary carriers
STAT	Get status of carrier specified by DISI
STAT CAR loop	Get status of all carriers on loop
UNLP c	Open loop back relay on carrier c

Alphabetical list of commands

Command	Description	Pack/Rel
DFLP loop	Define RPE loop. Defines the loop for the following commands. The specified loop must be an enabled RPE loop.	basic-1
DISC c l	Disable carrier c on loop l. Must be the current secondary carrier. Any calls using this carrier will be disconnected.	basic-1
DISI c	Disable carrier c once it is idle. The number of channels still busy on the carrier may be checked using the STAT command.	basic-1
END	Terminate active command. If no command is in progress, the active DISI command is canceled.	basic-1
ENLC c	Enable carrier c. If the operation is successful, OK is output.	basic-1
LFLT	List speech timeslots that failed LOCL test. If no channels failed or if no test has been performed, the response is NONE.	basic-1
LOCL c	Perform loop around test on carrier c. Carrier c must be disabled when the command is given. The command tests the local equipment associated with the carrier, plus the continuity of the 10 speech timeslots which are always carried by this carrier (see below). If all tests pass, response is OK. The carrier is left in the "manually disabled" state.	basic-1

Speech timeslots carried by each carrier:

Carrier	Timeslots
primary	4, 5, 10, 11, 20, 21, 26, 27, 28, 29
0	6, 7, 12, 13, 14, 15, 22, 23, 30, 31
1	2, 3, 8, 9, 16, 17, 18, 19, 24, 25

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LOCL c ALL	Loop around test for all speech timeslots on carrier c. Similar to LOCL command, except that all 20 speech timeslots plus the signaling channel will be tested, provided the channels are not being used by active calls. Execution of this command will cause temporary disruption of all active calls on the loop. The command should be used only when LOCL command tests OK without the ALL option and a fault is still indicated by a complete test using LD 33. Response will include: x SLOTS TESTED, giving the number of speech channels actually tested (maximum 20)	basic-1
LPBK c	Close loop back relay on carrier c. Carrier c must be disabled. The relay remains closed until an ENLC or UNLP command is given.	basic-1
SCAR	Switch primary carriers. This command is allowed only if both the current secondary carrier is enabled, and no faults exist on the current secondary carrier which would reduce the number of working speech channels if it were to become the primary carrier.	basic-1
STAT	Get status of carrier specified by DISI. If no DISI request is active, error message RPL022 is output.	basic-1
STAT CAR loop	Get status of all carriers on specified loop. Response will be one or more of: 1. PRIME = carrier is currently the primary one 2. DSBL = carrier is disabled 3. LPBK = loop back relay is closed 4. x BUSY 5. y DSBL The values x and y indicate the number of busy channels and number of channels having continuity failure from the most recent tests in LD 33. The LOCL command does not change the number of disabled channels.	basic-1
UNLP c	Open loop back relay on carrier c.	basic-1
